

# इंटरनेट

# मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8227-1 (1988): Fasteners, Arch and Clip for Files, Part 1: Arch Fasteners [PGD 14: Consumer Products and Allied Equipments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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**AMENDMENT NO. 1 NOVEMBER 1993  
TO  
IS 8227 ( Part 1 ) : 1988 SPECIFICATION FOR  
FASTENERS, ARCH AND CLIP FOR FILES  
PART 1 ARCH FASTENERS**

*( First Revision )*

*( Page 1, clause 2 ) — Substitute the following for the existing:*

**'2 Materials — The base of fasteners shall be manufactured from cold-rolled steel sheet of  $1.00 \pm 0.05$  mm thickness [ see IS 513 : 1986 Cold-rolled low carbon steel sheets and strips ( *third revision* ) ]'.**

*( Page 1, clause 3.1 ) — Substitute '4.2' for '3.2'.*

*( Page 1, clause 3.2 ) — Substitute '0.25' for '0.5.'*

*( Page 1, clause 3.5, second and third sentences ) — Substitute the following for the existing:*

**'The base shall have an extension. The extension shall be sufficient to permit the file to be hung against a flat surface. Four holes shall be provided in the base so that it can be mounted on the file board.'**

**The location of four holes is given in Fig. 1 on next page.**

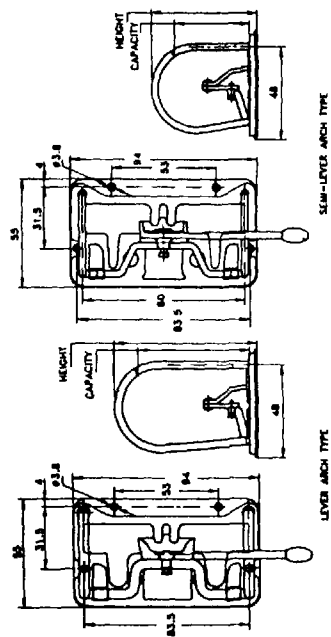


FIG 1 DIMENSIONS AND RIVET-HOLES POSITIONS

( Page 1, clause 3.10, first line ) — Substitute '59mm' for '64 mm'

( LM 15 )

Reprography Unit BIS, New Delhi, India

## Indian Standard

SPECIFICATION FOR <sup>REAFFIRMED</sup>  
FASTENERS, ARCH AND CLIP FOR FILES

## PART 1 ARCH FASTENERS

( First Revision )

Fasteners, Hair Cutting, Shaving, Shearing and Allied Equipment Sectional Committee, CPDC 32 : 6 [Ref : Dec : CPDC 32 ( 1982 )]

**1. Scope** — Specifies requirements for lever or semi-lever arch fasteners for files used for holding paper sheets, pads, etc.

**2. Materials** — The base of the fasteners shall be manufactured from hot or cold-rolled steel sheet of  $0.75 \pm 0.10$  mm thickness.

**3. Requirements**

**3.1** The two arches shall be made of steel wire of  $3.2 \pm 0.1$  mm diameter.

**3.2** The distance between the centre of two arches shall be  $80 \pm 0.5$  mm.

**3.3** The fixed and movable portion of the arches shall be mounted on the base.

**3.4** A spring lock device within the base shall hold the movable portion firmly either in the open or closed position. The steel spring shall give a good spring action.

**3.5** The base shall have an extension. The extension shall be sufficient to permit the file to be hung against a flat surface. Two holes shall be provided in the base so that it can be mounted on the file board. The distance between the centre of the holes shall be  $65 \pm 0.5$  mm.

**3.6** The movable portion of the arch shall consist of two 'J' shaped wires. The wires shall pass through the closed base and engage with the locking device. When the arches are closed, the ends of the wires shall converge with the fixed portion of the arch.

**3.7** The fixed portion of the arch shall be of solid or hollow construction. The hollow construction shall consist of two hollow upright posts with tops cut back to receive the ends of 'J' shaped movable arch.

**3.8** The solid construction shall consist of two upright solid posts with the tops designed to provide a suitable stop for the 'J' shaped movable arch.

**3.9** The two sections of arch shall fit closely and tightly in the closed position.

**3.10** The filling capacity in the fixed portion of the lever arch shall be not less than 64 mm and of the semi-lever arch not less than 35 mm.

**4. Workmanship and Finish**

**4.1** The fasteners shall be clean and free from defects which may affect the appearance or the serviceability of the files.

**4.2** The fasteners shall be free from burrs, and sharp and rough edges that might be hazardous to the user.

**4.3** The fasteners shall be plated with chromium over nickel conforming to IS : 1068-1985 'Specification for electroplated coating of nickel plus chromium and copper plus nickel plus chromium on iron and steel ( second revision )'.

**4.4** The spring shall be suitably treated blue finish so as to render the spring free from rust or tarnish.

Adopted 18 December 1988

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## **IS : 8227 ( Part 1 ) – 1988**

### **5. Tests**

**5.1 Corrosion Resistance** — Dip the fasteners in a solution of mineral spirit to remove the surface film or grease, and wipe dry. Place the specimens in a boiling 5 percent aqueous solution of sodium chloride for 15 minutes. Remove them from the solution and immediately place them in a similar solution at room temperature for 24 hours. Allow to dry at room temperature without wiping. Rinse the specimens in luke warm water. Allow them to dry and examine the specimens for signs of corrosion. There shall not be any sign of corrosion.

### **5.2 Performance**

**5.2.1** The fasteners shall be opened and closed consecutively in the manner of operation for 25 times.

**5.2.2** They shall not be excessively hard to operate.

**5.2.3** They shall open completely in the open position.

**5.2.4** The jaws shall fit snugly and completely in closed position.

**6. Marking** — The fasteners shall be marked with the manufacturer's name or initials or recognized trade-mark, and with any other marking required by the purchaser.

**6.1 Standard Marking** — Details available with the Bureau of Indian Standards.

**7. Packing** — As agreed to between the purchaser and the supplier.

## **EXPLANATORY NOTE**

This standard has been split into two parts. Part 1 of this standard deals with arch fasteners while Part 2 deals with clip fasteners. The main addition is in the filling capacity of the semi-lever arch type of fasteners which has been incorporated as 'not less than 35 mm'. A new clause for the treatment of spring known as blue finish has also been added.